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CLAIM AMENDMENTS

Claims 11-30 are currently pending in the application.

Please amend claims 11, 13-15, 18, 20, 22, 25, 27, and 29 as shown below.

The following listing of claims 1-30 will replace all prior versions, and listings, of claims in the application:

1.-10. (Cancelled)

11. (Currently Amended) A device, comprising:

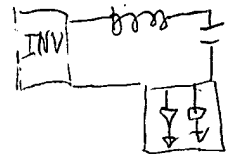
a first LED array having a first anti-parallel configuration;

an inverter operable to provide an alternating voltage; and

a first impedance circuit including a first resonant inductor and a first resonant capacitor connected to said first LED array in a first series resonant, series loaded configuration having said first resonant inductor connected in series to said inverter, and said first resonant capacitor connected in series between said first resonant inductor and said first LED array,

wherein said first impedance circuit directs a first flow of a first alternating current through said first LED array in response to the alternating voltage having a first polarity and directs a second flow of the first alternating current through said first LED array in response to the alternating voltage having a second polarity.

12. (Previously Added) The device of claim 11, wherein said first LED array includes at least one of a LED pair, a LED string and a LED matrix.



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13 (Currently Amended) The device of claim 11,
further comprising a second LED array having a second anti-parallel
configuration;

wherein said first impedance circuit further includes a second resonant
capacitor;

wherein said first resonant inductor and said second resonant capacitor are
connected to said second LED array in a second series resonant, series loaded
configuration having said first resonant inductor connected in series to said inverter,
and said second resonant capacitor connected in series between said first resonant
inductor and said second LED array; and

wherein said first impedance circuit directs a third flow of a second alternating
current through said second LED array in response to the alternating voltage having
the first polarity and directs a fourth flow of the second alternating current through
said second LED array in response to the alternating voltage having the second
polarity.

14. (Currently Amended) The device of claim 11, further comprising:
a second LED array having a second anti-parallel configuration; and
a second impedance circuit including a second resonant inductor and a second
resonant capacitor connected to said second LED array in a second series resonant,
series loaded configuration having said second resonant inductor connected in series
to said inverter, and said second resonant capacitor connected in series between said
second resonant inductor and said second LED array,

wherein said second impedance circuit directs a third flow of a second
alternating current through said second LED array in response to the alternating
voltage having the first polarity and directs a fourth flow of the second alternating
current through said second LED array in response to the alternating voltage having
the second polarity.

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different from 11
Fig 4
15. (Currently Amended) A device, comprising:
a first LED array having a first anti-parallel configuration;
an inverter operable to provide an alternating voltage; and
a first impedance circuit including a first resonant inductor and a first resonant capacitor array connected to said first LED array in a first series resonant, series loaded configuration having said first resonant inductor connected in series to said inverter, and said first resonant capacitor array connected in series between said first resonant inductor and said first LED array,

Fig 5

wherein said first impedance circuit directs a first flow of a first alternating current through first LED array in response to the alternating voltage having a first polarity and directs a second flow of the first alternating current through said first LED array in response to the alternating voltage having a second polarity.

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16. (Previously Added) The device of claim 15, wherein said first LED array includes at least one of a LED pair, a LED string and a LED matrix.

17. (Previously Added) The device of claim 15, wherein said first LED array includes a switch operable to control at least one of the first flow and the second flow of the first alternating current through said first LED array.

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18. (Currently Amended) The device of claim 15,
further comprising a second LED array having a second anti-parallel
configuration;

wherein said first impedance circuit further includes a second capacitor ~~array~~;

wherein said first resonant inductor and said second resonant capacitor array
are connected to said second LED array in a second series resonant, series loaded
configuration having said first resonant inductor connected in series to said inverter,
and said second resonant capacitor ^{array} connected in series between said first resonant
inductor and said second LED array; and

wherein said first impedance circuit directs a third flow of a second alternating
current through said second LED array in response to the alternating voltage having
the first polarity and directs a fourth flow of the second alternating current through
said second LED array in response to the alternating voltage having the second
polarity.

19. (Previously Added) The device of claim 18,

wherein said first LED array includes a first switch operable to control at least
one of the first flow and the second flow of the first alternating current through said
first LED array; and

wherein said second LED array includes a second switch operable to control at
least one of the third flow and the fourth flow of the second alternating current
through said second LED array.

*different from
claim 15*

b¹

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20. (Currently Amended) The device of claim 15, further comprising:

a second LED array having a second anti-parallel configuration; and

different from cl 14 *where*
a second impedance circuit including a second resonant inductor and a second resonant capacitor array connected to said second LED array in a second series resonant, series loaded configuration having said second resonant inductor connected in series to said inverter, and said second resonant capacitor array connected in series between said second resonant inductor and said second LED array.

B'
wherein said second impedance circuit directs a third flow of a second alternating current through said second LED array in response to the alternating voltage having the first polarity and directs a fourth flow of the second alternating current through said second LED array in response to the alternating voltage having the second polarity.

21. (Previously Added) The device of claim 20,

wherein said first LED array includes a first switch operable to control at least one of the first flow and the second flow of the first alternating current through said first LED array; and

wherein said second LED array includes a second switch operable to control at least one of the third flow and the fourth flow of the second alternating current through said second LED array.

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22. (Currently Amended) A device, comprising:
 a first LED array having a first anti-parallel configuration;
 an inverter operable to provide an alternating voltage; and
 a first impedance circuit connected to said first LED array in a first series resonant, series loaded configuration having said first resonating impedance circuit, connected in series between said inverter and said first LED array.

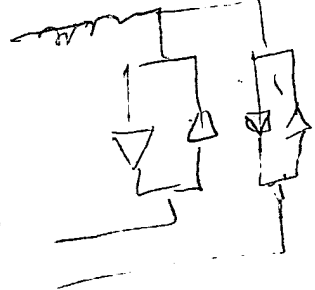
wherein said first resonating impedance circuit includes means for directing a first flow of a first alternating current through said first LED array in response to the alternating voltage having a first polarity and directing a second flow of the first alternating current through said first LED array in response to the alternating voltage having a second polarity.

23. (Previously Added) The device of claim 22, wherein said first LED array includes at least one of a LED pair, a LED string and a LED matrix.

24. (Previously Added) The device of claim 22, wherein said first LED array includes a switch operable to control at least one of the first flow and the second flow of the first alternating current through said first LED array.

25. (Currently Amended) The device of claim 22,
 further comprising a second LED array having a second anti-parallel configuration;
 wherein said first resonating impedance circuit is connected to said second LED array in a second series resonant, series loaded configuration having said first resonating impedance circuit connected in series between said inverter and said second LED array; and

wherein said first resonating impedance circuit includes means for directing a third flow of a second alternating current through said second LED array in response to the alternating voltage having the first polarity and directing a fourth flow of the second alternating current through said second LED array in response to the alternating voltage having the second polarity.



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26. (Previously Added) The device of claim 25,
wherein said first LED array includes a first switch operable to control at least one of the first flow and the second flow of the first alternating current through said first LED array; and
wherein said second LED array includes a second switch operable to control at least one of the third flow and the fourth flow of the second alternating current through said second LED array.
27. (Currently Amended) The device of claim 22, further comprising:
a second LED array having a second anti-parallel configuration; and
a second resonating impedance circuit connected to said second LED array in a second series resonant, series loaded configuration having said second resonating impedance circuit connected in series between said inverter and said second LED array.
wherein said second resonating impedance circuit includes means for directing third flow of a second alternating current through said second LED array in response to the alternating voltage having the first polarity and directing a fourth flow of the second alternating current through said second LED array in response to the alternating voltage having the second polarity.
28. (Previously Added) The device of claim 27,
wherein said first LED array includes a first switch operable to control at least one of the first flow and the second flow of the first alternating current through said first LED array; and
wherein said second LED array includes a second switch operable to control at least one of the third flow and the fourth flow of the second alternating current through said second LED array.

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29. (Currently Amended) A device, comprising:
at least one LED array, each LED array having an anti-parallel configuration;
an inverter means for providing an alternating voltage; and
an a resonating impedance means connected to each LED array in a series resonant, series loaded configuration having said resonating impedance means connected in series between said inverter and each LED array, said resonating impedance means for directing a first flow of a first alternating current through said at least one LED array in response to the alternating voltage having a first polarity and directing a second flow of the first alternating current through said at least one LED array in response to the alternating voltage having a second polarity.

30. (Previously Added) The device of claim 29, wherein said at least one LED array includes switching means for controlling at least one of the first flow and the second flow of the first alternating current through said at least one LED array.